

Work Order ID 161991***161991***

Page 1

Tuesday, May 23, 2017 11:06:20 AM

Item ID: D4775-041 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Strut Assembly
Start Date: 5/31/2017 Start Qty: 10.00 ***10*** Cust Item ID:
Required Date: 6/8/2017 Req'd Qty: 10.00 ***10*** Customer:
Reference:

Approvals: Process Plan: **DAS** Date: **MAY 24 2017** Tooling: Date: Run Start ***NR1***
QC: **21** Date: SPC (Y/N): Date: Stop ***NR2***
9-89

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D4775	C ✓								
110	Pick Kit	0.00							DAS
110	Large Fab					<u>10</u>	<u>Ø</u>	JUN 12 2017	19
Packaging	Memo	0.00							9-89
Packaging									
120		0.00							DAS
120						<u>10</u>	<u>Ø</u>	JUN 12 2017	19
Small Fab	Memo	1.79							9-89
Small Fab	1- APPLY PROSEAL ON D4776-1 STRUT AND ASSEMBLE AS PER DWG								
	A/R PROSEAL BATCH 136953								
	2- ENSURE HELICOIL DOES NOT BLOCK HOLE (SEE NOTE 9)								

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By 18 DVE	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabelled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	
OTHER : _____					

Work Order ID 161991***161991***

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Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130 *130* QC Quality Control	QC5- Inspect part completeness to step on W/O Memo	0.00 0.20				<u>10</u>			<u>D46</u> <u>38</u> <u>9-89</u> JUN 12 2017
140 *140* Packaging Packaging	Identify as per dwg & Stock Location <u>51357</u> Memo	0.00 0.10				<u>10</u>			<u>JUN 14 2017</u> <u>DAS</u> <u>6</u> <u>9-89</u>
150 *150* QC Quality Control	QC21- Final Inspection - Work Order Release Memo	0.00 1.00							<u>17/6/13</u> <u>98</u>

DAS
21
9-89

JUN 12 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabelled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : _____							

Picklist Print

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Page 1

Work Order ID: 161991

161991

Parent Item: D4775-041

D4775-041

Parent Item Name: Strut Assembly

Start Date: 5/31/2017

Required Date: 6/8/2017

Start Qty: 10.00

Required Qty: 10.00

Comments: IPP REV:A 13.02.28 NEW ISSUE DD VERF:JFS
REV:B 13.08.26 PB1 DD VERF:JLM
13.09.26 AS PER REV.B DD VERF:JLM
AS PER REV.C DD VERF:JLM
IPP
IPP REV:C
IPP REV:D 14.01.10

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4775-1 *D4775-1* Strut Tube		Manufactured	No			110	Each	30.0000	1	10		JUN 12 2017	DAS 19 9-89
					<u>Location</u>			<u>Loc Qty</u>		<u>Loc Code</u>			
					ST357			30		10			
					158935			20					
					160629			10					
D4777-1 *D4777-1* Rod End Bearing		Manufactured	No			110	Each	30.0000	1	10		JUN 12 2017	DAS 19 9-89
					<u>Location</u>			<u>Loc Qty</u>		<u>Loc Code</u>			
					ST125			30					
					156722			5		5			
					160120			15					
					160650			10					
D4776-1 *D4776-1* Basket Strut Clevis		Manufactured	No			110	Each	29.0000	1	10		JUN 12 2017	DAS 19 9-89
					<u>Location</u>			<u>Loc Qty</u>		<u>Loc Code</u>			
					ST124			29					
					158666			9					
					158928			20		10			

DQA: _____ Date: _____



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Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																															
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Picklist Print

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Work Order ID: 161991

161991

Parent Item: D4775-041

D4775-041

Parent Item Name: Strut Assembly

Start Date: 5/31/2017

Required Date: 6/8/2017

Start Qty: 10.00

Required Qty: 10.00

D4776-5

Manufactured No

110

Each

53.0000

4

40

**

JUN 12 2017

DAS
19
9-89

D4776-5

Spacer

Location

Loc Qty

Loc Code

ST125

53

157324

53

110

Each

278.0000

2

20

**

JUN 12 2017

DAS
19
9-89

AN3-10A

AN3-10A

Bolt

Location

Loc Qty

Loc Code

GA

60

m136787

60

over003

100

m137321

0

m137544

100

ST349

118

m137321

118

110

Each

1,931.000

2

20

**

JUN 12 2017

DAS
19
9-89

MS21042L3

MS21042L3

Nut

Location

Loc Qty

Loc Code

CCK007

1000

m137495

1000

FP001

91

m135945

91

GA

460

m134360

102

m136665

358

ST303

380

m137321

380

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Parent Item Name: Strut Assembly

Start Date: 5/31/2017

Required Date: 6/8/2017

Start Qty: 10.00

Required Qty: 10.00

MS21209-F615

Purchased

No

110

Each

80.0000

1

10

MS21209-F615

**

JUN 12 2017

DAS
19
9-80

Heli-Coil

Location

Loc Qty

Loc Code

GA

80

m135058

18

m136835

62

12

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				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabelled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					